PharmaBio® MANNITOL SALT AGAR

A selective and differential medium for the isolation and presumptive identification of pathogenic staphylococci according to PH EUR (Mannitol Salt Agar – Harmonised).

Dehydrated media	
Code number:	500 g: PMSA20500, 5 kg: PMSA25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

Direction: Suspend **110 g** in one litre of deionized water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: PMSA30100, 500 ml: PMSA30500
Plated media:	55 mm: PMSA50055, 90 mm: PMSA50090
Colour:	Orange-red
pH (25 °C):	7,3 – 7,5

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Casein peptone	5,000
Meat peptone	5,000
Beef extract	1,000
D-Mannitol	10,000
Sodium chloride	75,000
Phenol red	0,025
Agar	14,000

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control: See the next page

References: Chapman (1945) J. Bact. 50: 201.
European Pharmacopoeia

For professional use only!

Certificate of analysis

PharmaBio® MANNITOL SALT AGAR

Code number:	PMSA
Lot:	
Manufacture date:	
Expiry date:	

Description

Type of culture medium:	
Packaging:	

Formula g/l:

Casein peptone	5 g	Sodium chloride	75 g
Meat peptone	5 g	Phenol red	0,025 g
Beef extract	1 g	Agar	14 g
D-Mannitol	10 g	Deionized water	ad 1000 ml

Sterilization: 121 °C – 15 minutes

Supplement: -

External control

Dehydrated culture medium	**Requirement**	**Result**
Packaging:	Intact	
Appearance:	Fine powder	
Colour:	Yellowish	
Ready to use culture medium	**Requirement**	**Result**
Colour:	Orange-red	
Purity:	Clear	
Precipitation:	Free from any precipitation	
Gel strength:	Suitable for good inoculation	

CHEMICAL CONTROL

pH at 25 °C:	Requirement: 7,4 ± 0,2		

MICROBIOLOGICAL CONTROL

Cultivation ability test:

Reference culture medium Lot:		Incubation temperature: 30 - 35 °C Incubation time: 24 - 48 h			
Test strains		**Requirement**	**Result**		
		Productivity (%)	Reference (cfu)	Lot (cfu)	Productivity (%)
Staphylococcus aureus	ATCC 29213	> 70 (24 h)			
Escherichia coli	ATCC 25922	< 5 (48 h)			

Differentiation ability test:

Test strains		**Requirement**	**Result**
Staphylococcus aureus	ATCC 29213	Yellow colonies	

Contamination control:

Incubation temperature: 30 - 35 °C + 20 – 25 °C	Incubation time: 2 + 3 day	
Result:	No growth	

This product has been tested by Quality Control Laboratory and conforms to the specifications above.

This certificate was issued electronically and is valid without signature.